IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (New): A three-dimensional image display device which irradiates illuminating light on a display device and displays a three-dimensional image on an image reconstruction display unit using illuminating light transmitted through the display device, comprising a control image optimizing unit, wherein

the control image optimizing unit is configured to:

calculate a solution of the three-dimensional image based on a solution of control image included in a calculation target region, and perform an evaluating process for evaluating whether or not the solution of three-dimensional image is an optimized solution;

perform a solution changing process for changing the solution of a control image included in the calculation target region by a move operation;

determine an optimized solution of three-dimensional image by repeating the evaluating process and the solution changing process;

record a control image on the display device based on the solution of the control image corresponding to the optimized solution of the three-dimensional image; and

exclude, from the calculation target region, a region where an amplitude amount of the illuminating light transmitted through the display device is lower than a threshold or a region where an amplitude of the illuminating light transmitted through the display device may not be liner controlled.

Claim 12 (New): A three-dimensional image display device which irradiates illuminating light on a display device and displays a three-dimensional image on an image reconstruction display unit using illuminating light transmitted through the display device, comprising a control image optimizing unit, wherein

the control image optimizing unit is configured to:

calculate a solution of the three-dimensional image based on a solution of a control image included in a calculation target region, and perform an evaluating process for evaluating whether or not the solution of the three-dimensional image is an optimized solution;

perform a solution changing process for changing the solution of the control image included in the calculation target region by a move operation;

determine an optimized solution of the three-dimensional image by repeating the calculating process and the solution changing process;

record a control image on the display device based on the solution of the control image corresponding to the optimized solution of the three-dimensional image; and

determine a changing of a solution changed in the move operation based on a changing unit of an amplitude transmitting ratio of the illuminating light transmitted through the display device or a changing unit of a voltage applied to the display device.

Claim 13 (New): The three-dimensional image display device according to Claim 11, wherein,

a distance between the display device and the image reconstruction display unit is R,

an angle of a traveling direction of the illuminating light changed at the display device is θ,

a visual region of the image reconstruction display unit is defined by the R and the θ, and

the calculation target region corresponds to the visual region of the image reconstruction display.

Claim 14 (New): The three-dimensional image display device according to Claim 12, wherein,

a distance between the display device and the image reconstruction display unit is R,

an angle of a traveling direction of the illuminating light changed at the display device is θ,

a visual region of the image reconstruction display unit is defined by the R and the θ, and

the calculation target region corresponds to the visual region of the image reconstruction display.

Claim 15 (New): A three-dimensional image display method which irradiates illuminating light on a display device and displays a three-dimensional image on an image reconstruction display unit using illuminating light transmitted through the display device, comprising:

calculating a solution of the three-dimensional image based on a solution of a control image included in a calculation target region, and performing an evaluating process for evaluating whether or not the solution of the three-dimensional image is an optimized evaluation;

performing a solution changing process for changing the solution of the control image included in the calculation target region by a move operation;

determining an optimized solution of the three-dimensional image by repeating the evaluating process and the solution changing process;

recording a control image on the display device based on the solution of the control image corresponding to the optimized solution of three-dimensional image; and

excluding, from the calculation target region, a region where an amplitude amount of the illuminating light transmitted through the display device is lower than a threshold or a region where an amplitude of the illuminating light transmitted through the display device may not be liner controlled.

Claim 16 (New): A three-dimensional image display method which irradiates illuminating light on a display device and displays a three-dimensional image on an image reconstruction display unit using illuminating light transmitted through the display device, comprising:

calculating a solution of the three-dimensional image based on a solution of a control image included in a calculation target region, and performing an evaluating process for evaluating whether or not the solution of three-dimensional image is an optimized solution;

performing a solution changing process for changing the solution of the control image included in the calculation target region by a move operation;

determining an optimized solution of the three-dimensional image by repeating the evaluating process and the solution changing process;

recording a control image on the display device based on the solution of the control image corresponding to the optimized solution of the three-dimensional image; and

determining a changing of a solution changed in the move operation based on a changing unit of an amplitude transmitting ratio of the illuminating light transmitted through the display device or a changing unit of a voltage applied to the display device.